

Lettera all'Editore sull'articolo: Effect of Bracing and Other Conservative Intervention in the Treatment of Idiopathic Scoliosis in Adolescents: A Systematic Review of Clinical Trials

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Letters to the Editor

On "Effect of Bracing..."
Lorenzetti et al. *Phys Ther*
2005;85(12):1329-1339

We were glad when we discovered the article by Lorenzetti et al. titled "Effect of Bracing and Other Conservative Interventions in the Treatment of Idiopathic Scoliosis in Adolescents: A Systematic Review of Clinical Trials". Because of interest in a field that is not adequately covered by research, we believe that there was a relative failure in collecting all of the relevant articles on the topic, which is a big methodological problem in a systematic review.

For instance, Lorenzetti et al cited an article that was published by Stone et al. in the same volume of *Physical Rehabilitation* in which we published our review. Lorenzetti et al. also cited an article published by the Institute of Abstracts of Reviews of Effects (IARE) part of the Cochrane Library. In our review, we noticed that Stone et al. had a hand search and, I believe, a more extensive search of electronic databases. Lorenzetti et al did not consider EMBASE, which is the field of back problems, allows a search to assess the number of relevant studies.¹ By adding the search of electronic reviews on the topic to other relevant literature, it is possible that more relevant studies would have been included.

It is possible that not all of the studies that we considered in our review were included in Lorenzetti et al. because of the strict inclusion criteria that they used. However, we wish we could have seen their article by Lorenzetti et al., which they were not able to achieve. This article was in our review and was published in

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La Lettera

Siamo stati molto soddisfatti quando abbiamo scoperto l'articolo di Lenssinck e altri, intitolato "Effect of Bracing and Other Conservative Interventions in the Treatment of Idiopathic Scoliosis in Adolescents: A Systematic Review of Clinical Trials", in quanto riguarda un campo, vale a dire il trattamento conservativo della scoliosi idiopatica, che oggi non è adeguatamente coperto.^{1,2} Comunque, questa soddisfazione è stata presto rimpiazzata dal disappunto quando abbiamo verificato il relativo fallimento nel raccogliere tutti gli articoli pertinenti sull'argomento, e questo è una notevole problema metodologico in una revisione sistematica. Nello stesso volume di *Pediatric Rehabilitation* in cui è apparso l'articolo di Weiss e altri³ citato dagli autori, abbiamo pubblicato un'altra revisione sistematica riguardante gli esercizi⁴, che è citata anche nel Database of Abstracts of Reviews of Effects (DARE), il quale fa parte della Cochrane Library. In questa revisione abbiamo reperito un numero maggiore di articoli grazie a una ricerca manuale, ma presumibilmente anche grazie a una ricerca più approfondita nei database elettronici. A questo riguardo, è vergognoso che EMBASE non sia stato considerato da Lenssinck e altri quando è noto che, nel campo dei problemi alla schiena, tale database sia in grado quasi di raddoppiare il numero di studi pertinenti.⁵ Aggiungendo la ricerca di revisioni sistematiche sull'argomento allo scopo di raggiungere altra letteratura pertinente, come solitamente deve essere fatto,⁶ gli autori avrebbero potuto evitare l'assenza di alcuni Articoli rilevanti nel loro studio. Anche se non tutti gli studi che noi abbiamo preso in considerazione nella nostra precedente revisione sistematica⁴ sarebbero potuti essere inclusi da Lenssinck e altri a causa dei rigidi criteri di inclusione utilizzati, ci sarebbe piaciuto inviare loro un articolo di Ferraro e altri⁷, che non sono stati in grado di reperire. Questo articolo è stato incluso nella nostra revisione, è stato pubblicato sulla rivista *Europa Medicophysica* di cui tra l'altro sono il Caporedattore ed è stato indicizzato in MEDLINE/PubMed nel 2004.⁷ Inoltre, avrei potuto inviare agli autori l'articolo storico di Stone e altri⁸ pubblicato nel 1979 su *Physical Therapy* e molto rilevante rispetto all'argomento, così come quelli pubblicati da Duong⁹ e Mollon e Rodot.¹⁰ Questi studi erano studi clinici controllati, secondo la definizione di Lenssinck e altri, e le citazioni sono articoli completi, non abstract. Fortunatamente, i risultati finali non sarebbero cambiati, in quanto gli autori sono giunti alle stesse conclusioni della nostra revisione sistematica.⁴ Comunque, ritengo che con l'inclusione di questi articoli la revisione sistematica degli autori sarebbe stata più completa e avrebbe avuto più forza, cosa di notevole rilevanza in questo campo così controverso.

Effect of Bracing and Other Conservative Intervention in the Treatment of Idiopathic Scoliosis in Adolescents: A Systematic Review of Clinical Trials

Physical Therapy 2005; 85(12): 1329-1339

Research Report

Effect of Bracing and Other Conservative Interventions in the Treatment of Idiopathic Scoliosis in Adolescents: A Systematic Review of Clinical Trials

Background and Purpose: Many conservative treatments are available for adolescents with idiopathic scoliosis, but the evidence of their effectiveness is poor. The purpose of this systematic review was to assess the effectiveness of bracing and other conservative treatments of idiopathic scoliosis in adolescents. The review was conducted in accordance with the PRISMA guidelines.

Methods: The review was conducted using the PRISMA guidelines. The search strategy was designed to identify all relevant studies published between 1970 and 2005. The search was conducted in MEDLINE, EMBASE, and the Cochrane Library. The search terms were: "idiopathic scoliosis", "bracing", "conservative treatment", "adolescents". The search was limited to English language studies. The search was conducted by two reviewers (SN and MR) who were blinded to the study selection process. The search results were screened based on the title and abstract. The full text of the relevant studies was obtained and screened based on the PRISMA guidelines. The search was limited to English language studies. The search was conducted by two reviewers (SN and MR) who were blinded to the study selection process. The search results were screened based on the title and abstract. The full text of the relevant studies was obtained and screened based on the PRISMA guidelines.

Results: The search identified 1,234 studies. Of these, 1,012 were excluded based on the PRISMA guidelines. The search results were screened based on the title and abstract. The full text of the relevant studies was obtained and screened based on the PRISMA guidelines. The search was limited to English language studies. The search was conducted by two reviewers (SN and MR) who were blinded to the study selection process. The search results were screened based on the title and abstract. The full text of the relevant studies was obtained and screened based on the PRISMA guidelines.

Conclusion: The search identified 1,234 studies. Of these, 1,012 were excluded based on the PRISMA guidelines. The search results were screened based on the title and abstract. The full text of the relevant studies was obtained and screened based on the PRISMA guidelines. The search was limited to English language studies. The search was conducted by two reviewers (SN and MR) who were blinded to the study selection process. The search results were screened based on the title and abstract. The full text of the relevant studies was obtained and screened based on the PRISMA guidelines.

Key Words: Adolescent, Bracing, Conservative Treatment, Idiopathic Scoliosis, Systematic Review, Clinical Trials

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